BPA30
User Manual

Introduction:

Thank you for inviting BPA30 into your music life. The BPA30 is a portable battery powered amplifier. With the BPA30, you can easily perform your music outside with great tone, In order to achieve the most performance and safety operation, please read this user manual in detail.

1.) Features:

- Two input channels for connecting microphones (high and low Z) and instruments
- CD input jacks for connecting a CD or tape player, drum machine or other background source
- Headphones jack for monitoring
- Internal rechargeable power supply provides a minimum of 8 hours normal playing time ,the recharging time is no more than 6 hours
- Two-color power status LED: red indicates low battery, yellow indicates battery is okay
- Tuned port cabinet for extended bass response, 8” woofer and 2” Piezo tweeter for full range sound with clear highs
- Rubber feet on three different sides for positioning as either a low angle monitor, high angle monitor or upright speaker

2.) Front panel

1. **Input 1 Volume:** This jack accepts a microphone(high or low Z) or a instrument.

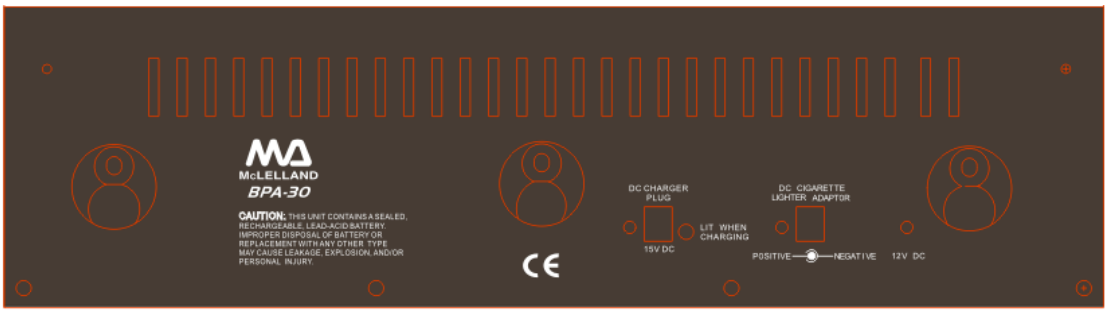
2. **Input2 Volume:** This jack accepts a microphone(high or low Z) or a instrument.

3. **Equalization Low/Low Mid/High Mid/ High:** These knobs are used to adjust the level in low/low mid/high mid/ high frequencies.

4. **CD Input:** This jack accepts sources from a CD player, a tape player, a drum machine or any other similar source to the amplifier by means of a shielded signal cable.
5. **Headphones:** Use this jack to connect a pair of stereo headphones to the amplifier. The internal speaker is disconnected when the headphones jack is used.

6. **Power:** Use this switch to turn the amplifier on or off.

3.) Rear panel

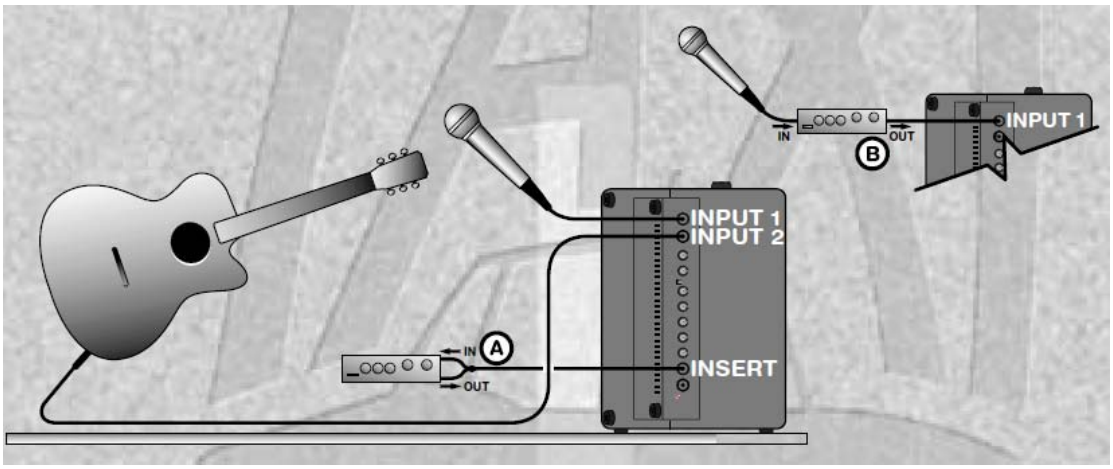

McLELLAND
BPA-30
CAUTION: THIS UNIT CONTAINS A SEALED, RECHARGEABLE, LEAD-ACID BATTERY. IMPROPER DISPOSAL OF BATTERY OR REPLACEMENT WITH ANY OTHER TYPE MAY CAUSE LEAKAGE, EXPLOSION, AND/OR PERSONAL INJURY.
DC CHARGER PLUG
15V DC
LIT WHEN CHARGING
DC CIGARETTE LIGHTER ADAPTOR
POSITIVE
NEGATIVE
12V DC

1. **DC Charger Plug:** This jack accepts a 15VDC charger to recharge the battery (power switch off) or to supply power to the amplifier while playing (power switch on).
2. **DC CIGARETTE LIGHTER ADAPTER, 12 VDC:** This jack accepts a small round connector of the optional 12-volt car adapter to power the amplifier from a vehicle instead of the internal battery. This connect doesn’t supplied 15-volt charger to this jack, be careful!!

4.) Suggestion Setting

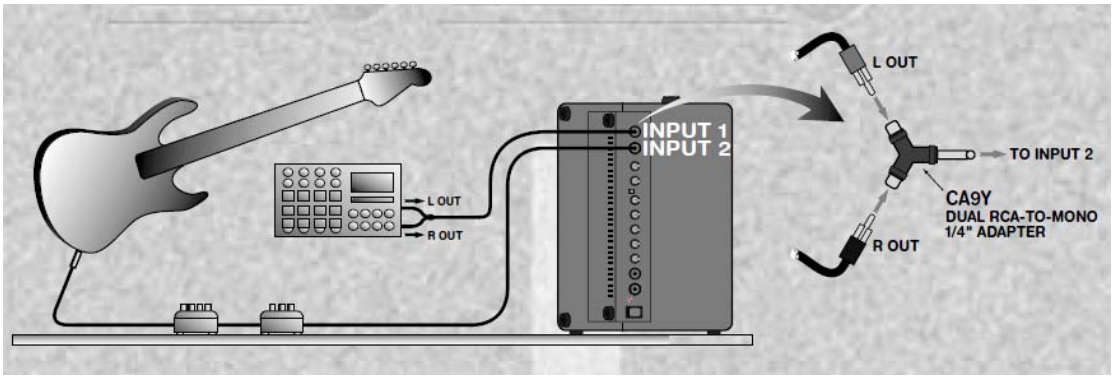
Application 1

Plug a mic into Input 1 and an instrument such as a guitar into Input 2. Any types of pickups are available.
When any effect devices are needed, please connect the device and Insert jack , or between the microphone and Input1. Note that the effect is applied when the device is connected into the Insert jack.



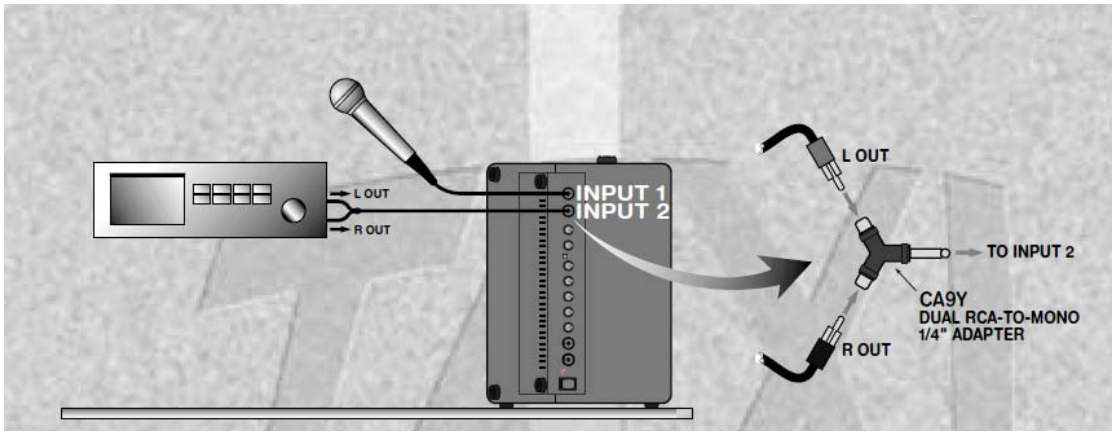
Application 2

When using a drum machine, CD player, or tape player , plug the one device into the Input 1 or plug multi devices into a combiner adapter as shown.



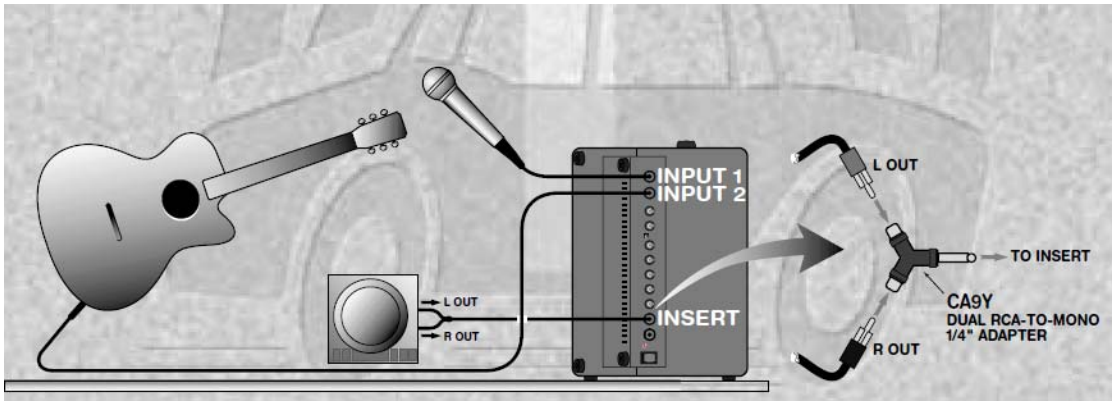
Application 3

Plug a mic into Input 1 and a CD or tape player into Input 2. The outputs of the CD/tape player must be summed to a mono signal with a 1/4” plug, as shown.



Application 4

Plug a mic into Input 1, and an instrument such as guitar into Input 2, and a drum machine, CD player or tape player into the Insert jack. The outputs of the CD/tape player must be summed to a mono signal with a 1/4” plug, as shown.



5.) Specification

Output Power Rating	30W RMS @ 10% THD, 8 ohms, 13.6VDC in
Input Impedance	1M ohm
Maximum signal accepted	Channel 1 6V peak to peak Channel 2 12V peak to peak
Gain	Channel 1 64dB Channel 2 56dB w/Gain switch out

	86dB w/Gain switch in
Sensitivity	Channel 1 :9mV RMS Channel 2 :20mV RMS w/Gain switch out .7mV RMS w/Gain switch in Line In Insert .3V RMS
Tone CHANNEL 1	+/–15dB @ 600Hz
EQS CHANNEL 2	Low 12.5dB range @ 80Hz Mid 18dB range @ 850Hz High 13dB range @ 6kHz
Insert Jack	Tip Line In Ring Line Out Sleeve Ground
Speaker	Woofer :Crate Custom Design 8”, 8 ohm, 50 watt ,1” voice coil Tweeter :2” Piezo, 8 ohm, 50 watt
Power Requirement	Internal 12 volt DC power supply DC adapter for use with 120VAC Optional 12V vehicle lighter adapter
Dimension	17”(W) 12-1/2”(H) 12-1/2”(D) 17 lbs.

Safety instruction:

Caution: To reduce the risk of electric shock, do not remove the cover, no-user serviceable parts inside. Refer servicing to qualified service personnel.

Warning: To reduce the risk of fire or electronic shock, do not expose the appliance to the rain or moisture.

Read instructions: All the safety and operating should be read before the appliance is operated

Retain instructions: All the safety and operating should be read before the appliance is retained for future reference

Heed warning: All warnings on the appliance in the operating instruction should be adhered to.

Follow instruction: All operating and user instruction should be followed.

Water and Moisture: Do not use this appliance near water (such as bathtub, washbowl, kitchen sink, laundry tub, wet basement, or near a swimming pool)

Heat: Guard against the heat sources such as radiators ,stoves, or other equipments radiate heat.

Power source: The appliance should only be supplied with the type described in the operating instruction or marked on the rear panel of the appliance.

Cleaning: The appliance should be cleaned only as the instructions recommended by the manufacturer.

Avoid objects or liquids entry: Care should be taken so that objects or liquids will not be dropped into the enclosure.

Damage requiring service:

In the following circumstances, repairs should be performed only by qualified service personnel:

7. AC power cord or AC socket is damaged
8. Any object has fallen into the appliance
9. Liquid is spilled into the appliance
10. The appliance has been exposed to rain
11. The appliance dose not appear to operate normally
12. The appliance has been dropped or the enclosure is damaged

CAUTION:

TO REDUCE THE RISK OF ELECTRONIC SHOCK, DO NOT REMOVE COVER.NO USER-SERVICEABLE PART INSIDE.